What is claimed is:

1	 An apparatus comprising:
2	a capacitor having a body and a pair of terminals attached to the
3	body; and
4	a conductor defined on the body and connecting the terminals, the
5	conductor having an inductance (L) defining with a capacitance (C) of the
6	capacitor a parallel LC circuit.
1	2. The apparatus of claim 1 wherein:
2	the conductor is plated on the body.
1	3. The apparatus of claim 1 wherein:
2	the conductor is printed on the body.
1	4. The apparatus of claim 1 wherein:
2	the conductor has a width defining the inductance such that the
3	inductance is varied by varying the width of the conductor.
1	5. The apparatus of claim 1 forming a notch filter.
1	6. The apparatus of claim 5 wherein:
2	the capacitor has a resonant frequency greater than or equal to a
3	notch center frequency of the notch filter.
1	7. A notch filter having a notch center frequency, comprising:
2	a capacitor having a body and a pair of terminals attached to the
3	body, the capacitor having a resonant frequency equal to or greater than
4	the notch center frequency; and
5	a conductive trace extending along the body and connecting the
6	terminals, the trace having an inductance.

1 8. The notch filter of claim 7 wherein: 2 the trace is defined on the body. 9. The notch filter of claim 8 wherein: 1 2 the trace is plated on the body. 10. The notch filter of claim 8 wherein: 1 2 the trace is printed on the body. 1 11. The notch filter of claim 7 wherein: 2 the trace has a width defining the inductance such that the 3 inductance is varied by varying the width of the trace. 1 12. The notch filter of claim 7 for connecting between two discrete 2 segments of a signal conductor defined by a printed circuit board that also defines a ground plane, wherein: 3 4 a product of capacitance and inductance of a virtual conductive 5 loop formed by the notch filter and the ground plane equals the notch center frequency. 6 13. A printed circuit board (PCB) comprising: 1 2 a signal conductor comprising a pair of discrete conductor 3 segments defined by the PCB; a ground plane defined by the PCB; 4 5 a capacitor having a body and a pair of terminals on the body that connect the capacitor between the segments; 6 7 a conductor defined on the body and connecting the pair of terminals and having an inductance, the conductor forming with the 8 9 capacitor a notch filter for the signal conductor such that a product of capacitance and inductance of a virtual conductive loop formed by the 10

- 11 notch filter and the ground plane equals a center frequency of a notch of
- the notch filter.
- 1 14. The PCB of claim 13 wherein:
- the capacitor has a resonant frequency equal to or greater than the
- 3 center frequency of the notch filter.
- 1 15. The PCB of claim 13 wherein:
- the conductor is plated on the body.
- 1 16. The PCB of claim 13 wherein:
- the conductor is printed on the body.
- 1 17. The PCB of claim 13 wherein:
- the capacitor is a surface-mount capacitor.
- 1 18. The PCB of claim 13 wherein:
- the conductor has a width defining the inductance of the conductor
- 3 such that the notch filter is tuned by varying the width of the conductor.